5.4.6 RATIO EFFECT LISTING

The Ratio Effect listing option allows you to see the effect of a single case on the ratio of two items, at an aggregate level. For example, you may wish to analyze the influence of a case on the ratio of current period Sales to prior period Sales. This listing quantifies that effect by determining the difference in the ratio both with and without the data for that case. You can specify the numerator and denominator items to use in calculating a particular ratio. The output displays the ratio of the specified items for all IDs in the survey or for an optional BY grouping. The IDs are ranked, based on the descending absolute value of the calculated effect.

Accessing the Screen

! Click on the TOOLS button from the StEPS Main Menu.

! Click on the QUERIES button from the Tools Menu.

! Select the "Listings Request" option.

! Select the "Ratio Effect Listing" option to display the following:

Figure 5.4.6a   Ratio Effect Listing Request Screen
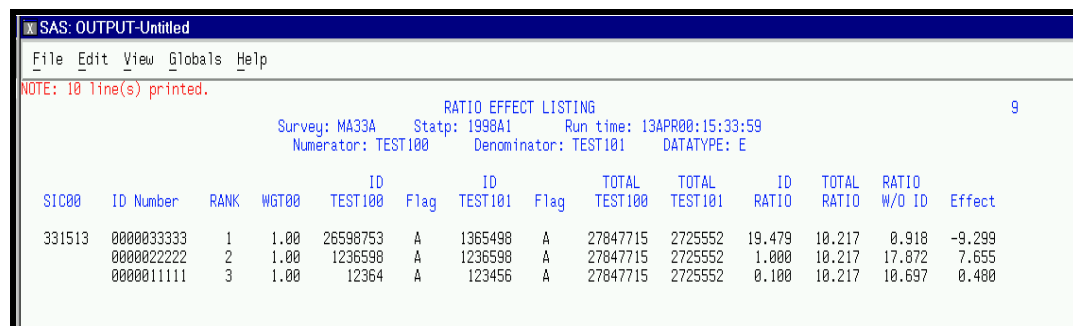
Screen Features

5.4.6.1 LISTING PARAMETER OPTIONS

General parameter options available on more than one listing request screen are defined in section 5.4.1. Please refer to the appropriate section for instructions on how to define the general listing parameters required for this screen.

!	Select a BY variable	(See section 5.4.1.4)
!	Define a ratio	(See section 5.4.1.5)
!	Select a data type	(See section 5.4.1.3)
!	Limit list to the top cases	(See section 5.4.1.7)
!	Include only IDs with values in both the numerator and denominator	(See section 5.4.1.6)
!	Select an output destination	(See section 5.4.1.8)
!	Generate the listing	(See section 5.4.1.9)
!	Save the generated code	(See section 5.4.1.10)

5.4.6.2 LISTING OUTPUT

The output for the Ratio Effect listing appears as follows:

Figure 5.4.6b   Ratio Effect Listing Output

Information displayed includes the following:

!   Listing "header" information, including the disclosure statement, page number, listing title, survey, stat period, and the date/time that the listing was generated.

! The numerator and denominator items specified on the parameter screen.

! The data version (type) specified on the parameter screen (i.e., R - reported; E - edited; A - adjusted; W - weighted).

! For each ID (within each BY grouping) having a ratio for the numerator and denominator specified, there is a separate row of information, including the following:

Column Heading	Description
<BY variable>	Value of the BY variable (if specified in the listing parameter screen); BY variables are control variables from the Master or Stat Period Control file that are used to sort (or group) your listing output.
ID	ID number of the respondent.
RANK	The "rank" assigned to each case is designated by the descending absolute value of the calculated effect. (This is the value displayed in Column 14, "Effect"); a rank of '1' is assigned to the case with the largest effect, '2' to the next case, etc.
WGT00	Weight of the case for the current statistical period.
ID <numerator item>	Value of the <u>numerator</u> item for the ID; this value will reflect the "type" of data (i.e., reported, edited, adjusted, or weighted) specified in the parameter screen.
Flag (data flag for numerator item)	Data flag for the <u>numerator</u> item. (See section 4.2 for a complete list of data flags and associated descriptions.)
ID <denominator item>	Value of the <u>denominator</u> item for the ID; this value will reflect the "type" of data (reported, edited, adjusted, or weighted) specified in the parameter screen.
Flag (data flag for denominator item)	Data flag for the <u>denominator</u> item. (See section 4.2 for a complete list of data flags and associated descriptions.)
TOTAL <numerator item>	Sum of the <u>numerator</u> item values for ALL cases in the current statistical period (or for all cases in a BY group).

Column Heading	Description
TOTAL <denominator item>	Sum of the <u>denominator</u> item values for ALL cases in the current statistical period (or for all cases in a BY group).
ID RATIO	Ratio of the numerator item over the denominator item for a specific ID.
TOTAL RATIO	Ratio of the SUM of the numerator values over the SUM of the denominator values for ALL cases in the statistical period (or for all cases in a BY group).
RATIO W/O ID	TOTAL RATIO <u>after</u> subtracting out an IDs value from both the numerator and denominator, calculated as: (TOTAL <numerator item> - ID <numerator item>) / (TOTAL <denominator item> - ID <denominator item>).
EFFECT	The effect on the <u>total</u> ratio after subtracting out an individual IDs numerator and denominator values (TOTAL RATIO - RATIO w/o ID).

P-Menus

P-Menu	Options	Function
UTILITY	Save Generated Code as Canned Query	Saves the listing program (with the parameters you have specified) as a canned query, so that you can access and run it at a later date. (See Section 5.4.1.10).
HELP	Listing Request Help (F1) WhoamI (F7)	Displays Help information on using the Listing Request screen. Displays user default and systems information.
EXIT	Exit (F3)	Exits to the previous screen.